Abstract

A multi-layered module-type software layout known from the related art has been further developed for vehicles, and in addition, definite procedures are given for putting it into practical use. According to the present invention, to do this, a computer system is described having a software architecture (Figure 4) that includes practical function assignments and interfaces having exchangeable modular plug-ins. With the aid of a prioritization method according to the present invention, these plug-ins may be polled independently of the number and functioning of the requesting systems for flexibilization. A method according to the present invention for powertrain control of a motor vehicle is divided into 5 phases from the characterization of environmental influences to the approach to the optimal operating point. In a computer system according to the present invention, having an object-oriented software system, this method may also be applied.

(Fig. 4)